PTO/SB/08A (08-03)

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Sheet 1

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known				
Application Number	10/689,380			
Filing Date	20 October 2003			
First Named Inventor	Mark Beaumont			
Art Unit	Not yet assigned			
Examiner Name	Not yet assigned			
Attorney Docket Number	DB001072-000			

Examiner Cite No.1	Cite	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant
	No.	Number-Kind Code <sup>2 (F troom)</sup>			Figures Appear
H		<sup>US-</sup> 4,816,993	03/28/1989	Takahashi	
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		FOREI	GN PATENT DOCU	JMENTS		
	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
		Country Code <sup>3</sup> Number <sup>4</sup> Xind Code <sup>8</sup> (# known)		Or Relevant Figures Appear		
DE		JP 60028345 A	02/13/1985	Fujitsu LTD		$ldsymbol{\sqcup}$

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Mark Beaumont First Named Inventor Not yet assigned Art Unit Not yet assigned **Examiner Name** DB001072-000 Attomey Docket Number

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Sheet 1			INCHTS	
			DOCUMENTS  Name of Patentee or	Pages, Columns, Lines, Where
xaminer City	1	Publication Date MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear
111111111111111111111111111111111111111	Number-Kind Code <sup>2 (f known)</sup>		Verger et al	
8	<sup>US-</sup> 6,430,618 B1	08-06-2002	Karger et al.	
QC	<sup>US-</sup> 6,421,772 B1	07-16-2002	Maeda et al.	
配	US- 6,404,439 B1	06-11-2002	Coulombe et al.	
<del>2</del>	US- 6,292,822 B1	09-18-2001	Hardwick	
	US-6,219,776 B1	04-17-2001	Pechanek et al.	
	US- 6,279,088 B1	08-21-2001	Elliot et al.	
	US-6,078,945	06-20-2000	Hinsley	
9-		10-12-1999	Wilkinson et al.	
De l	US- 5,966,528	04-06-1999	Rich	
a	US- 5,892,517	12-15-1998	Rich	
R.	us- 5,850,489	05-13-1997	Wheat	
M	<sup>US-</sup> 5,630,129		Glover	
M.	<sup>US-</sup> 5,581,773	12-03-1996	Matsouka et al.	
1	<sup>US-</sup> 5,535,387	07-09-1996	Naganuma et al.	
70	US- 5,241,677	08-31-1993	Naganuma et al.	
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Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Substitute for form 1449/PTO Application Numb r Not Yet Assigned 20 October 2003 INFORMATION DISCLOSURE **Filing Dat** STATEMENT BY APPLICANT **First Named Inventor** Mark Beaumont Not Yet Assigned Art Unit (Use as many sheets as necessary) Not Yet Assigned **Examiner Name Attorney Docket Number** DB001072-000 1 of Sheet 1

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		NON PATENT LITERATURE DOCUMENTS
aminer tials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriator) the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue the item (book, magazine, journal, symposium, catalog, etc.), date, page(s), volume-issue the item (book, magazine, journal, symposium, catalog, etc.), date, page(s), volume-issue the item (book, magazine, journal, symposium, catalog, etc.), date, page(s), date,
7		Daehyun Kim, Mainak Chaudhuri, and Mark Heinrich, Leveraging Cache Coherence in Active Memory Systems, Proceedings of the 16th ACM
		Int'l Conference on Supercomputing, pages 2-13, New York City, USA, June
Z		Mainak Chaudhuri, Daehyun Kim, and Mark Heinrich, Cache Coherence Protocol Design for Active Memory Systems, Proceedings of the 2002
	1	Int'l Conference on Parallel and Distributed Processing Techniques and Applications, pages 83-89, Las Vegas, USA, June 2002.
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<sup>\*</sup>EXAMINER: Initiatif reference considered, whether ownot citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next comprehensive considered. Include copy of this form with next comprehensive considered. Include copy of this form with next comprehensive considered. Include copy of this form with next comprehensive considered. Include copy of this form with next comprehensive considered. Include copy of this form with next comprehensive considered. Include copy of this form at the top copy of this form and/or considered. Including to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including to process. In the confidence of the public which is to file (and by the USPTO This application is attached.

1 Applicant's under the through citation is required to expected to take 2 hours to complete, including to process. In this public which is to file (and by the USPTO This application is attached.

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